

ABSTRACT

A method for making an article by cold compaction molding. The method comprises compacting a resin composition comprising high molecular weight and ultra high molecular weight polyethylene (HMW-PE and UHMW-PE, respectively) homopolymer, copolymer, and/or blend and an inorganic acid scavenger at a temperature below the softening temperature of the composition. An article prepared in accordance with the claimed method shows lower corrosion test data compared to articles prepared from virgin HMW-PE and UHMW-PE, and an improved cold compaction strength compared to articles prepared using resins containing metal soaps.